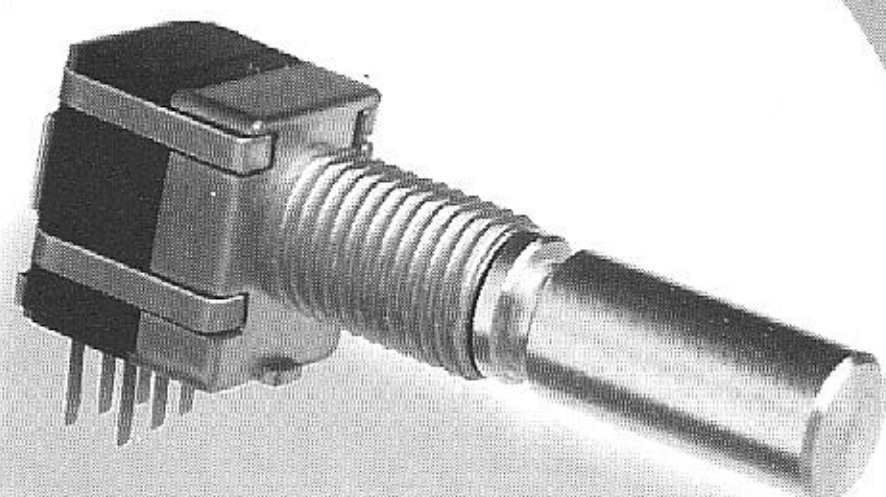


Model 580

NEW

Commercial Potentiometers



FEATURES:

- *Conductive Plastic Element*
- *Smooth Feel*
- *High Rotational Life*
- *Quiet Electrical Output*
- *Robust Construction*

Electrical

RESISTANCE RANGE:

200 Ω to 2.5 meg Ω - Linear
1.0K Ω to 1.0 meg Ω - Non-linear

RESISTANCE TOLERANCE:

$\pm 20\%$ standard

LINEARITY: $\pm 5\%$ Independent
(through 100K Ω)

POWER RATING:

Bushing Mount
0.10 Watt @ 40°C - Linear Taper
0.05 Watt @ 40°C - Non-Linear
PC Mount
0.05 Watt @ 40°C
Derate to 0 Watt @ 100°C

MINIMUM RESISTANCE:

10 Ω Max. Each End- Linear
10 Ω Max. Low End,
1% High End- Non-Linear

MAXIMUM CONTINUOUS WORKING VOLTAGE:

100 VAC

DIELECTRIC WITHSTANDING VOLTAGE:

Sea Level- 300 VAC

DYNAMIC NOISE (CRV):

2% of Rt Standard Linear

Mechanical

MATERIALS OF CONSTRUCTION:

Housing- Molded Thermoplastic
Shaft- Metal
Wiper- Metal Contact Spring
Bushing- Metal

CONSTRUCTION:

Mounting- Bushing
PC
Locating Pin- @ 6 o'clock
No pin, optional
Not sealed for washing

TERMINALS:

Number- 3 in Line
Type- PC Pins on 0.100" Grid Standard
Strength- 2 lb Push & Pull

MECHANICAL ROTATION:

295° $\pm$ 5°

TORQUE:

Operating- 0.2 to 2.5 oz. in. @ 25°C,
0.5 oz. in. Variation in a Control
Stop- 3 in. lbs.

Marking

Ink Stamp on Periphery or Rear
per EIA Standard

Environmental

STORAGE TEMPERATURE:

-40°C to +100°C

TEMPERATURE CYCLING:

-40°C to +100°C
(5 cycles, 4 % Δ Rt)

LOAD LIFE:

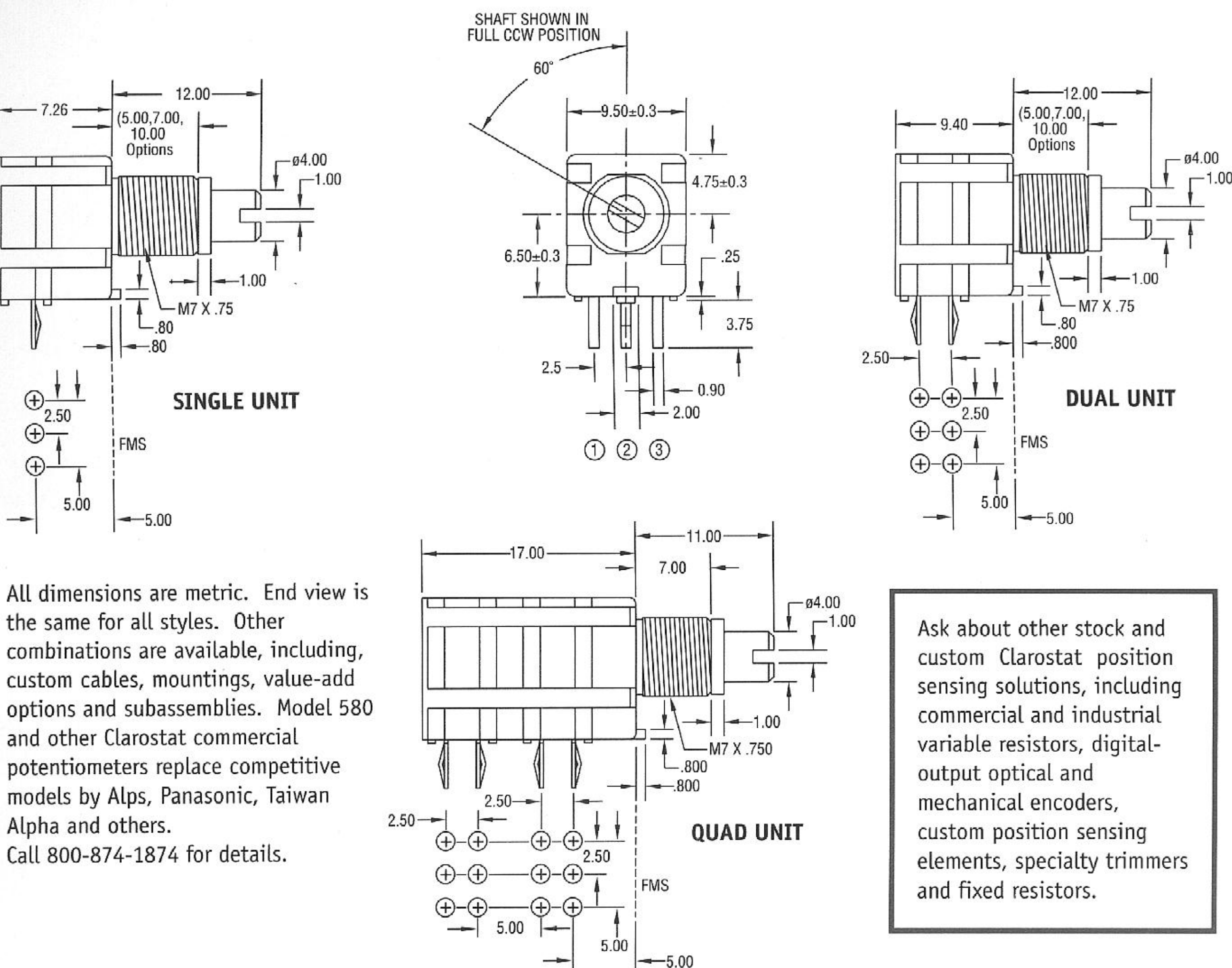
1000 hrs. Rated Load @ 40°C
(10% Δ Rt)

ROTATIONAL LOAD LIFE:

40,000 cycles (10% Δ Rt)

**ISO 9001
CERTIFIED**

DIMENSIONS



CONSTRUCTION FEATURES:

- *Single Shafts:*
Single unit, Dual unit (one or two elements), Quad unit or Octo unit
- *Concentric Shafts:*
Dual unit
Quad unit
Outer drives sections 3 & 4
Inner drives sections 1 & 2
- *Shaft Lengths up to 35mm*
Shaft Ends - Plain Rounded
 - *Flatted*
 - *Slotted*
 - *Knurled, 18 Teeth*
- *Shaft Diameters - 3mm to 6mm*
- *Bushing - M7 X .75; 5, 7 & 10mm long*
- *Detents - Center*
 - *Other Detents, consult factory*
- *Mounting Height, PC Board to Shaft Center*
 - *6.5mm Standard*
 - *12.5mm optional*
- *Mounting Support Brackets-*
"B" Style on rear
- *Rotary Switch - 10 mA, 12 VDC, SPST*

Additional Styles (consult factory)

- *Center tap*
- *Digital output*
- *Push-latch*
- *Momentary switch*
- *Vertical mounting "C" style*

ORDERING INFORMATION

To order or for custom applications, call 800-874-1874